

Menú lateral

Vamos a crear la App con un menú lateral como el del ejemplo de los apuntes. Para ello deberemos de crear el layout del MainActivity con el siguiente aspecto:

```
<android.support.v4.widget.DrawerLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:id="@+id/drawer_layout"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:fitsSystemWindows="false">
    <android.support.design.widget.CoordinatorLayout
        android:id="@+id/coordinator"
        android:layout_width="match_parent"
        android:layout_height="match_parent">

        <android.support.design.widget.AppBarLayout
            android:id="@+id/app_bar_layout"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:theme="@style/ThemeOverlay.AppCompat.Dark"
            android:gravity="center_horizontal">

            <android.support.v7.widget.Toolbar
                android:id="@+id/toolbar"
                android:layout_width="match_parent"
                android:layout_height="?attr/actionBarSize"
                android:background="?attr/colorPrimary"
                app:layout_collapseMode="pin"/>

            <android.support.design.widget.TabLayout
                android:id="@+id/tablayout"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:background="?attr/colorPrimary"
                app:layout_collapseMode="pin"
                app:tabGravity="fill"
                app:layout_behavior="android.support.design.widget.AppBarLayout$ScrollingViewBehavior"/>

        </android.support.design.widget.AppBarLayout>

        <android.support.v4.view.ViewPager
            android:id="@+id/viewpager"
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            app:layout_behavior="android.support.design.widget.AppBarLayout$ScrollingViewBehavior"/>

    </android.support.design.widget.CoordinatorLayout>

    <android.support.design.widget.NavigationView
        android:id="@+id/navigation_view"
        android:layout_width="wrap_content"
        android:layout_height="match_parent"
        android:layout_gravity="start"
        android:fitsSystemWindows="true"
        app:headerLayout="@layout/drawer_header"
        app:menu="@menu/drawer" />
</android.support.v4.widget.DrawerLayout>
```

En cuanto al menú y el layout de la cabecera.

Drawer_header.xml

```
<?xml version="1.0" encoding="utf-8"?>
<FrameLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:id="@+id/background"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent">

    <ImageView
        android:layout_width="fill_parent"
        android:layout_height="fill_parent"
        android:layout_gravity="center_vertical"
        android:scaleType="fitCenter"
        android:src="@drawable/imgfondo" />

    <LinearLayout
        android:orientation="vertical"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:padding="16dp"
        android:theme="@style/ThemeOverlay.AppCompat.Dark"
        android:gravity="bottom">

        <TextView
            android:textColor="?attr/colorPrimaryDark"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Drawer Header"
            android:textAppearance="@style/TextAppearance.AppCompat.Body1"/>

    </LinearLayout>
</FrameLayout>
```

Drawer.xml

```
<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android">

    <group android:checkableBehavior="single">
        <item
            android:id="@+id/navigation_item_attachment"
            android:checked="true"
            android:icon="@drawable/ic_attachment"
            android:title="Attachment" />
        <item
            android:id="@+id/navigation_item_images"
            android:icon="@drawable/ic_image"
            android:title="Images" />
        <item
            android:id="@+id/navigation_item_location"
            android:icon="@drawable/ic_place"
            android:title="My Location" />
    </group>

    <item android:title="Sub Menu">
        <menu>
            <item
                android:icon="@drawable/ic_emoticon"
                android:title="Sub Menu Item 1" />
            <item
                android:icon="@drawable/ic_emoticon"
                android:title="Sub Menu Item 2" />
        </menu>
    </item>
</menu>
```

MainActivity.java

```
public class MainActivity extends AppCompatActivity {
    DrawerLayout mDrawerLayout;
    TabLayout tabs;
    ViewPager mViewPager;
    TextView texto;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        Toolbar toolbar = (Toolbar) findViewById(R.id.toolbar);
        mDrawerLayout = (DrawerLayout) findViewById(R.id.drawer_layout);
        setSupportActionBar(toolbar);
        ActionBar actionBar = getSupportActionBar();
        actionBar.setHomeAsUpIndicator(R.drawable.ic_menu);
        actionBar.setDisplayHomeAsUpEnabled(true);
        NavigationView navigationView = (NavigationView) findViewById(R.id.navigation_view);
        navigationView.setNavigationItemSelectedListener((menuItem) -> {
            menuItem.setChecked(true);
            mDrawerLayout.closeDrawers();
            Toast.makeText(MainActivity.this, menuItem.getTitle(), Toast.LENGTH_LONG).show();
            return true;});
    }
    @Override
    public boolean onCreateOptionsMenu(Menu menu) {
        getMenuInflater().inflate(R.menu.menu_main, menu);
        return true;
    }
    @Override
    public boolean onOptionsItemSelected(MenuItem item) {
        int id = item.getItemId();
        switch (id) {
            case android.R.id.home:
                mDrawerLayout.openDrawer(GravityCompat.START);
                return true;
            case R.id.action_settings:
                return true;
        }
        return super.onOptionsItemSelected(item);
    }
}
```